IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Attorney Docket No.: 50169/102/ENPO

In re patent application of

Wallace T.Y. TANG

Serial No.: 07/996,817

Group Art Unit: 2607

Filed: December 28, 1992

Examiner: H. Pham

For:

IN-SITU REAL-TIME MONITORING TECHNIQUE AND APPARATUS FOR ENDPOINT DETECTION OF THIN FILMS DURING CHEMICAL/MECHANICAL POLISHING PLANARIZATION

ASSOCIATE POWER OF ATTORNEY

The Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby grants the following attorney(s)/agent(s) an associate power to prosecute the above-identified application and transact all business in the Patent and Trademark Office connected therewith:

> Arthur Schwartz, Registration No. 22,115; Donald D. Jeffery, Registration No. 19,980; Richard L. Schwaab, Registration No. 25,479; Peter G. Mack, Registration 26,001; David A. Blumenthal, Registration No. 26,257; John J. Feldhaus, Registration No. 28,822, Stephen A. Bent, Registration No. 29,768; Bernhard D. Saxe, Registration No. 28,665, Brian J. McNamara, Registration No. 32,789 and Colin G. Sandercock, Registration No. 31,298.

It is requested that all correspondence be sent to:

FOLEY & LARDNER 3000 K Street, N.W., Suite 500 Washington, D.C. 20007-5109

Address telephone communications to Harold C. Wegner at (202) 672-5300.

Respectfully submitted,

November 23,1994

Stephen B. Maebius

Registration No. 35,264

FOLEY & LARDNER Suite 500 3000 K Street, N.W. Washington, DC 20007-5109 (202) 672-5300



SIGNATURE OF INVENTOR 201

2/23/93

DATE

and (if applicable) amended on

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WEGNER, CANTOR, MUELLER & PLAYER UNITED STATES LETTERS PATENT DECLARATION AND POWER OF ATTORNEY

ATTORNEY'S DOCKET NO

P-2921-23619

SIGNATURE OF INVENTOR 203

DATE

As a below named inventor, I declare that I believe I am the original, first and sole inventor if only one name is listed at item 201 below, or a joint inventor if plural names are listed below at items 201 et. seq. of subject matter which is claimed and for which a patent is sought for

the invention entitled: ..IN-SITU, REAL-TIME MONITORING, TECHNIQUE, AND, APPARATUS, FOR ENDPOI DETECTION OF THIN FILMS DURING CHEMICAL MECHANICAL which is described and claimed in:

the attached specification to the specification in application Senal No. 0.7/.996., 81.7 filed December 28., 1992

(for declaration not accompanying application papers)

	above. I acknowledge the lacknowledge th	and understand the duty to disclose the benefit of prior that of the applic the benefit, unde t, insofar as the sided by the first p thability as defination in term 105	the contents of the above- e all information known to m rity, under Title 35, United 8 cation for which priority is c in Title 35, United States 0 ubject matter of any of the paragraph of Title 35, United in Title 37, Code of Fede below and the national or	dentified s ne to be ma States Cod claimed. Code, §120 claims thei d States C eral Regula PCT interr	terial te	cation, including to patentability as 9, of any foreign my U.S. application to disclosed in the 112. I acknowlet §1.56 which becal filling date of this	he claims, a defined in Ti application(on(s) listed he prior U.S dge the duty ame availat is applicatio	is amende itle 37, Coo s) for pate in item 10 , application to disclosible between.	de of Federal Rent or inventors below. If the on(s) identified all information the filing data	ndment referred to legulations, §1.56 s certificate having is application is in item 105 below on known to me to te of the prior U.S		
	FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 (6 if a Design) MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION THE PRIORITY OF WHICH WHERE PERMITTED IS HEREBY CLAIMED UNDER 35 U.S.C. §119											
	COUNTRY		APPLICATION NUMBER			DATE OF FILING (day, month, year)			PRIORITY CLAIMED YES NO			
8	3	İ										
[j	THIS APPLICATION IS A: CONTINUATION CONTINUATION-IN-PART DIVISION OF PRIOR U.S. APPLICATION					SERIAL NO.			FILED			
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Pater and Trademark Office connected therewith.												
	HAROLD C. WEGNER HERBERT I. CANTOR Registration No. 25,258 Registration No. 24,392								HELMUTH A. WEGNER Registration No. 17,033			
	FRANKLIN Registratio		DOUGLAS P. MUELLER Registration No. 30,300			WILLIAM E. PLAYER Registration No. 31.409						
			P.O. Bo	ER, CANTOR, MUELLER & PL P.O. Box 18218 Washington, D.C. 20036-8218			DIRECT TELEPHONE CALLS TO: 202-887-0400			:		
Inve	intor(s) name must include at	least one unabbrievis	ited first or middle name.				·			*****		
	FULL NAME OF INVENTOR	TANG	FIRST NAME Wallace				MIDDLE NAME T. Y.					
8	RESIDENCE CITIZENSHIP				STATE OR COUNTRY CI			CITIZENSHIP				
	POST OFFICE POST OFFICE ADDRESS ADDRESS P. O. Box 4408, 5 Deerwood Trail											
	FULL NAME OF INVENTOR	LAST NAME		FIRST NAME				MIDDLE NAME				
8	RESIDENCE CITIZENSHIP	CITY OR OTHE	S	STATE OR COUNTRY			CITIZENSHIP					
	POST OFFICE ADDRESS					:						
82	FULL NAME OF INVENTOR	LAST NAME		FIRST NAME				MIDDLE NAME				
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SIGNATURE OF INVENTOR 202

DATE



SMALL ENTITY DECLARATION

APPLICANT OR PATENTEE Wallace	TY. TANO	3	•								
X SERIAL NO. 07/996.817	PATENT NO.		ATTORNEY'S								
Dogombon 20	1000		DOCKET NO	P2921-23619							
FOR IN-SITU REAL-TIME DETECTION OF THIN	IN-SITU REAL-TIME MONITORING TECHNIQUE AND APPARATUS FOR ENDPOINT DETECTION OF THIN FILMS DURING CHEMICAL (MECHANICAL)										
tified application or patent for pu and Trademark Office.	tified application or patent for purposes of paying reduced fees under 35 USC 41(a) & (b) to the U.S. Patent and Trademark Office.										
A. INDEPENDENT INVENTOR I(we) qualify as a(n) independent	A. INDEPENDENT INVENTOR I(we) qualify as a(n) independent inventor(s) as defined in 37 CFR 1.9(c).										
B. INDIVIDUAL NON-INVENT											
C. SMALL BUSINESS CONCERN											
I am THE OWNER AN OFFICIAL of the small business concern identified below and am empowered to act on behalf of the concern. The concern qualifies under 37 CFR 1.9(d) and 13 CFR 121.3-18. Rights under contract or law have been conveyed to and remain with the concern and are exclusive unless a checkmark is placed here and another Declaration on behalf of another entity is filed herewith.											
□ NON-PROFIT ORGANIZATION											
I am an official empowered	I am an official empowered to act on behalf of the										
zation qualifies under 37 CFR 1.9(zation qualifies under 37 CFR 1.9(e), sub-section: (1) (2) (3) (4). Rights under contract or law have been conveyed to and remain with the organization and are exclusive unless a checkmark is placed										
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fee or any maintenance fee due aff CFR 1.28(b)).	er the date on w	hich status as a	small entity is no lon	ger appropriate. (37							
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I(we) hereby declare that all statements made on information and belief are	ents made herein a	of mar(our) over	lom manut = d = .	• •							
made on information and belief are knowledge that willful false statement	believed to be to	ue: and further	knowledge are true an	d that all statements							
knowledge that willful false statement under Section 1001 of Title 18 of the	ents and the like s	o made are pur	hishable by fine or imp	prisonment or both							
under Section 1001 of Title 18 of the	United States Co	ode, and that su	ch willful false statem	ents may jeopardize							
the validity of the application, any directed.	patent issuing th	ereon, or any	patent to which this	verified statement is							
Wallace TY. Tang				0.400.400							
Name f Inventor	Simolar Company			2/23/93							
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Name of Inventor	Signature										
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Name of Inventor	Signature										
•	J	5 Dec	erwood Trail,	Date							
		Warre	en, NJ 07059								
Name of Concern or Organization		Address									
Walle-		, ,	•								
By Wallace TY. Tang		100									
Name of Person Signing		Signature									
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Title			2/2 ² 3/93	•							
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